

IN THE CLAIMS

Please amend Claims 1, 15, and 17 and cancel Claim 18, as indicated below.

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1. (Currently Amended) A system for securing a Radio Frequency (RF) transaction comprising:

a radio frequency identification (RFID) transaction device operable to send an RF transmission, the transaction device including:

a database for storing a transaction device identifier and a transaction device authentication tag, wherein the transaction device identifier is different from the transaction device authentication tag, and

a transaction device random number generator for generating a transaction device random number, and

a transmitter operable to transmit the transaction device identifier, the transaction device authentication tag, and the transaction device random number;

wherein the transaction device is validated based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the RFID transaction device; and ~~and the transaction device random number~~

wherein the transaction device random number is used to lookup a previously stored decryption key for decrypting at least one of the transaction device identifier and the transaction device authentication tag, the transaction device random number having been received from the RFID transaction device.

2. (Original) A system according to claim 1, wherein further comprising:

a RFID reader in communication with said transaction device;
a merchant Point of Sale (POS) device in communication with said RFID reader; and
an account authorizing agent in communication with said merchant POS.

3. (Original) A system according to claim 2, wherein said RFID reader comprises:

a reader random number generator for producing a reader random number.

4. (Original) A system according to claim 3, wherein said RFID reader further comprises:

a processor in communication with said reader random number generator; and
a reader database for storing a RFID reader identifier.

5. (Original) A system according to claim 2, wherein said transaction device random number generator is operable to provide said transaction device random number to said RFID reader, said reader operable to provide said transaction device random number to said POS, said POS configured to provide the transaction device random number to said account authorizing agent system.

6. (Original) A system according to claim 5, wherein said RFID reader is operable to provide said transaction device identifier to said merchant POS.

7. (Original) A system according to claim 6, wherein at least one of said transaction device identifier and said transaction device random number is provided to said RFID reader in track 1/track 2 International Standards Setting Organization format.

8. (Previously Presented) A system according to claim 6, wherein at least one of said transaction device identifier and said transaction device random number is provided to said RFID reader in a POS pre-defined format.

9. (Original) A system according to claim 6, wherein said authorizing agent system is configured to validate said transaction device identifier in accordance with said transaction device random number.

10. (Original) A system according to claim 4, wherein said RFID reader random number generator is operable to provide said reader random number to said POS, said POS configured to provide at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number to said account authorizing agent system.

11. (Original) A system according to claim 10, wherein said RFID reader is operable to provide at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number to said merchant POS.

12. (Original) A system according to claim 10, wherein at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number is provided to said RFID reader in track 1/track 2 International Standards Setting Organization format.

13. (Previously Presented) A system according to claim 10, wherein at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number is provided to said RFID reader in a POS pre-defined format.

14. (Original) A system according to claim 10 , wherein said authorizing agent system is configured to validate at least one of said transaction device and said RFID reader, in accordance with said at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number transaction device random number.

15. (Currently Amended) A method for securing a transaction comprising the steps of:

providing a transaction device, the transaction device including a random number generator, wherein the transaction device is associated with a transaction

device identifier and a transaction device authentication tag, the transaction device identifier being different from the transaction device authentication tag;

~~providing a transaction device random number generator for~~
generating a transaction device random number; ~~and~~

~~validating the transaction device in accordance with the transaction device random number~~

transmitting the transaction device identifier, the transaction device authentication tag, and the transaction device random number; and

validating the transaction device based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the transaction device, wherein the transaction device random number is used to lookup a previously stored decryption key for decrypting at least one of the transaction device identifier and the transaction device authentication tag, the transaction device random number having been received from the transaction device.

16. (Original) A method according to claim 15 further including providing a transaction device reader, the reader including a reader random number generator;

providing a reader random number generator for generating a reader random number; and

validating at least one of the transaction device and the reader in accordance with at least one of the transaction device random number and the reader random number.

17. (Currently Amended) A method for securing a transaction comprising the steps of:

providing a transaction device, the transaction device including a random number generator, wherein the transaction device is associated with a transaction device identifier and a transaction device authentication tag, the transaction device identifier being different from the transaction device authentication tag;

providing a transaction device reader, wherein the transaction device reader is associated with a reader authentication tag~~including a reader random number generator;~~

generating a transaction device random number at the transaction device;

~~providing a reader random number generator for generating a reader random number; and~~

transmitting, from the transaction device, the transaction device identifier, the transaction device authentication tag, and the transaction device random number to the transaction device reader;

transmitting, from the transaction device reader, the transaction device identifier, the transaction device authentication tag, the transaction device random number, and the transaction device authentication tag to an account issuer associated with the transaction device;

validating, at the account issuer, the transaction device based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the transaction device, wherein the transaction device random number is used to decrypt at least one of the transaction device identifier and the

transaction device authentication tag, the transaction device random number having been received from the transaction device; and

validating, at the account issuer, the transaction device reader in accordance with the reader random number based at least in part on the transaction device reader authentication tag, wherein the transaction device random number is used to decrypt the transaction device reader authentication tag.

18. (Canceled)

19. (Previously Presented) A system according to claim 1, wherein the transaction device random number is converted to a validating code and then used to validate the transaction device.

20. (Previously Presented) A system according to claim 1, wherein a new transaction device random number is generated for each transaction.